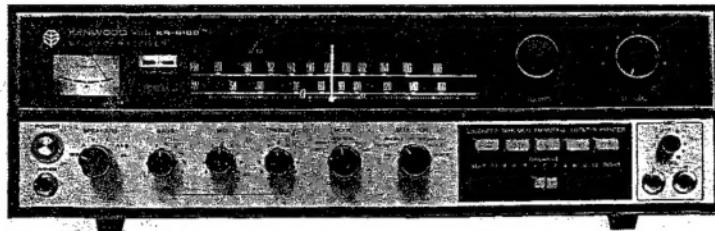


Original
KENWOOD
HI/FI STEREO COMPONENTS

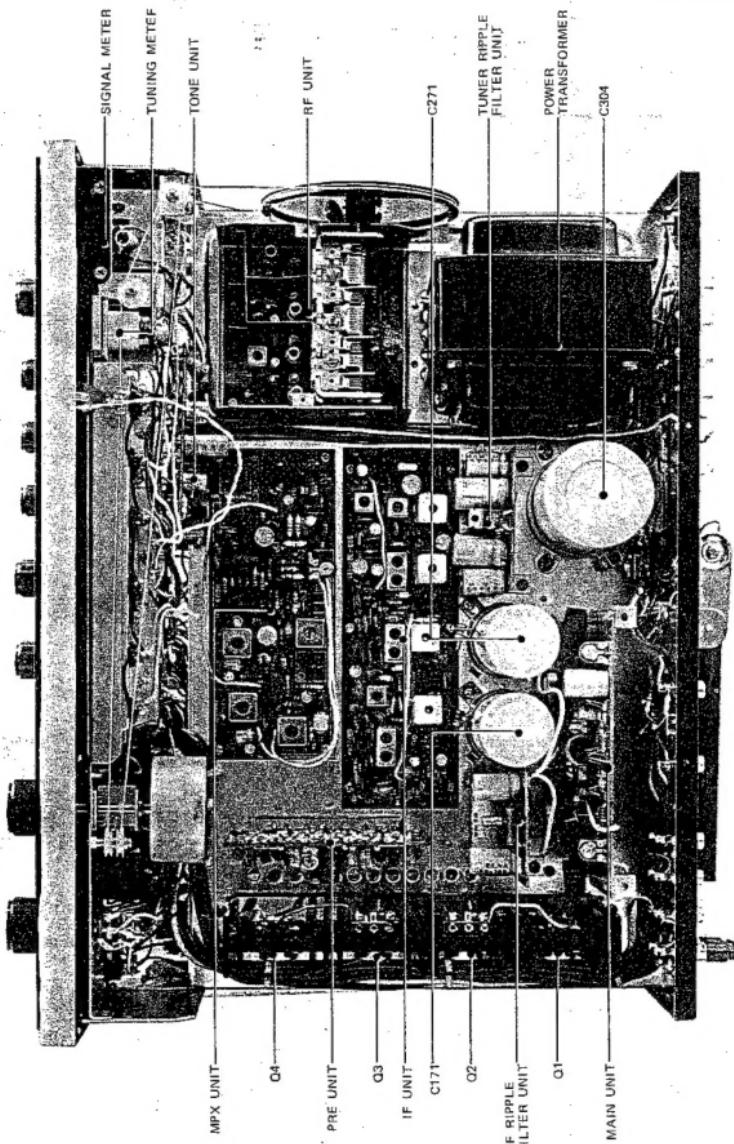
SERVICE MANUAL

KR-6160

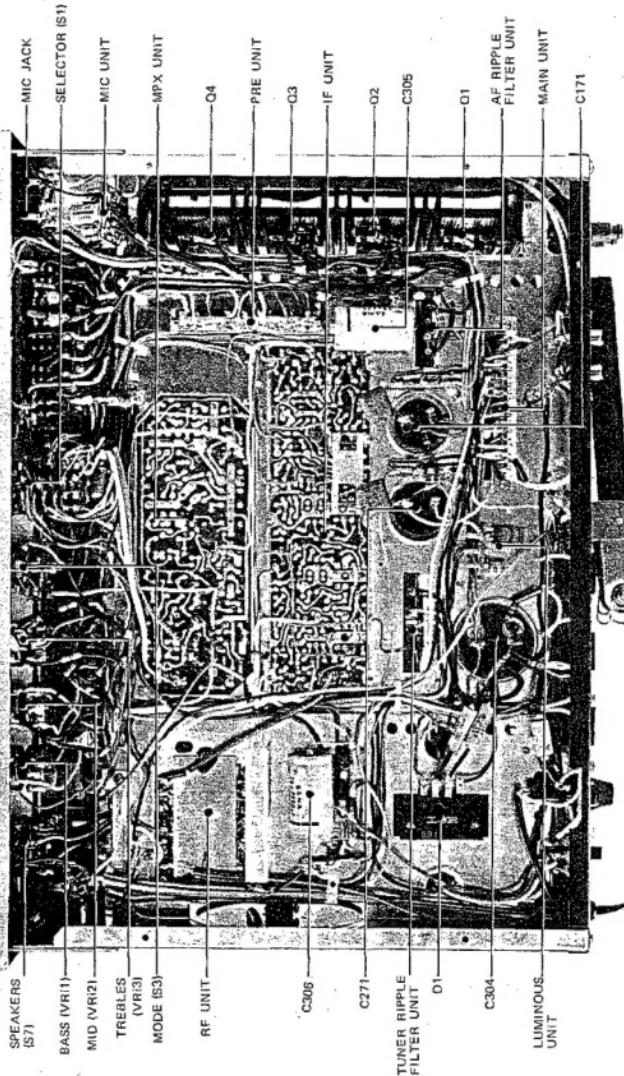


**SOLID STATE
AM-FM STEREO RECEIVER**

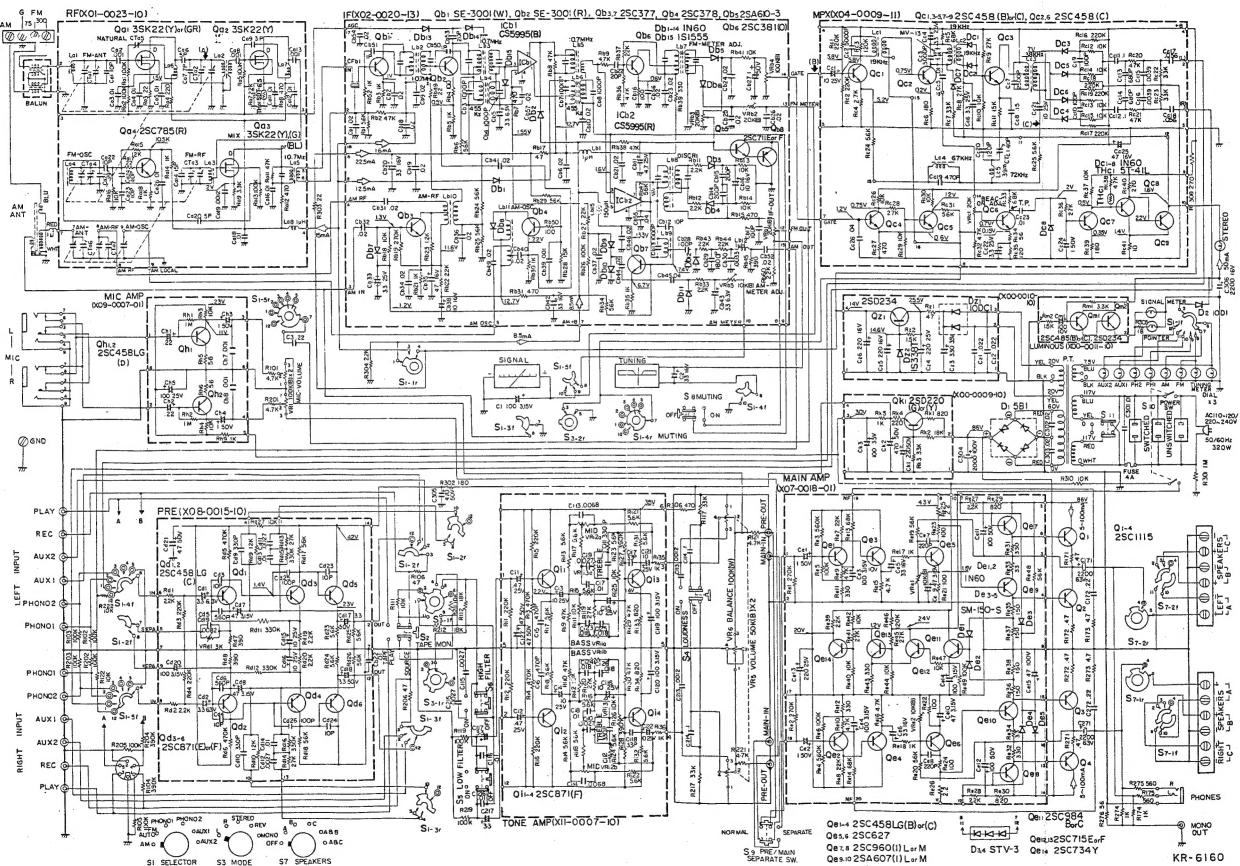
● TOP CHASSIS VIEW



• BOTTOM CHASSIS VIEW



● SCHEMATIC DIAGRAM



W
KR-6160



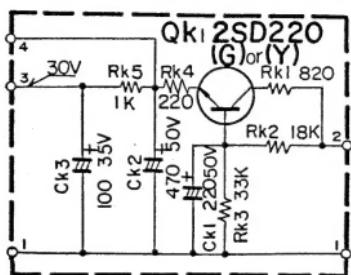
FILTER (X00-0009-10) SECTION

(KR-6160)

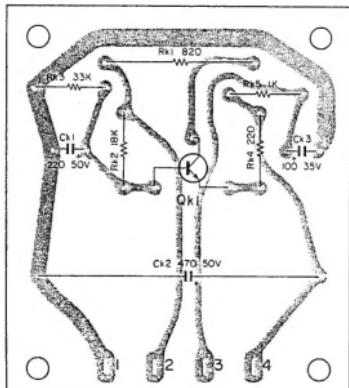
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SD220



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qk1 2SD220

● ALIGNMENT PROCEDURE

AM ALIGNMENT PROCEDURE

Alignment tools: IF transformers require a plastic screwdriver-type alignment tool.
Instruments: AM SG, AC VTVM & Oscilloscope.
Selector SW: Always place in AM position.
Warm-up: Allow 30 minutes warm-up period for Receiver and equipments.

| STI-P | Dummy Antenna | AM Signal Generator Coupling | Signal Generator Frequency | Selector Switch | Tuning Dial Setting | Indicating Meter | Adjust | Remarks |
|-------|---|---|----------------------------|-----------------|-----------------------------|------------------|----------------------------------|--------------------|
| 1 | Direct | High side to AM antenna terminal, Low side to chassis | 455kHz (400Hz 30% AM) | AM | Any non-interfering setting | Tuning Indicator | (X02-0020-13) Lb4, 6, 9 | Maximum Deflection |
| 2 | Direct | Connect to short loop of wire, Radiate signal into ferrite loop stick antenna of receiver | 600kHz (400Hz 30% AM) | AM | 600kHz | Tuning Indicator | (X02-0020-13) Lb11 AM ANT. | Maximum Deflection |
| 3 | Direct | Connect to short loop of wire, Radiate signal into ferrite loop stick antenna of receiver | 1400kHz (400Hz 30% AM) | AM | 1400kHz | Tuning Indicator | (X01-0023-10) CTa5~6 | Maximum Deflection |
| 4 | Repeat steps 2 & 3 until no further improvement is possible | | | | | | | |



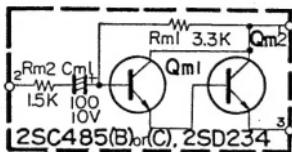
LUMINOUS (X00-0011-10) SECTION

(KR-6160)

SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

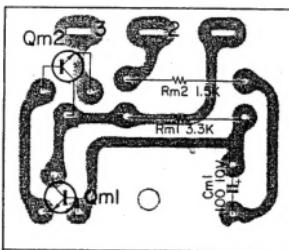
2SC458



2SD234



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qm1 2SC458 (B) or (C)

Qm2 2SD234 (O) or (Y)



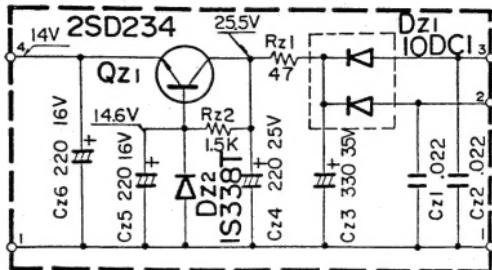
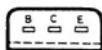
FILTER (X00-0010-10) SECTION

(KR-6160)

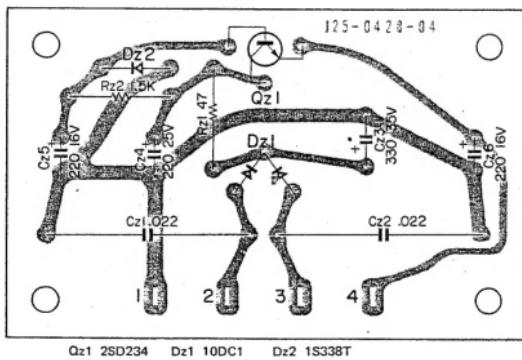
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SD234



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS





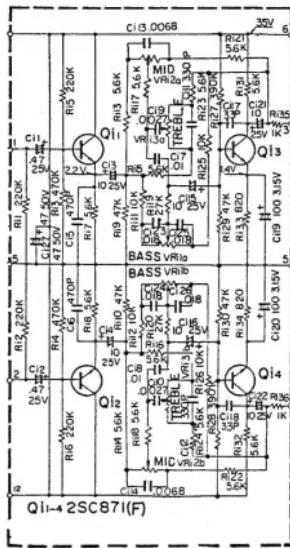
 **KENWOOD TONE AMP (X11-0007-10) SECTION**

(KR-6160)

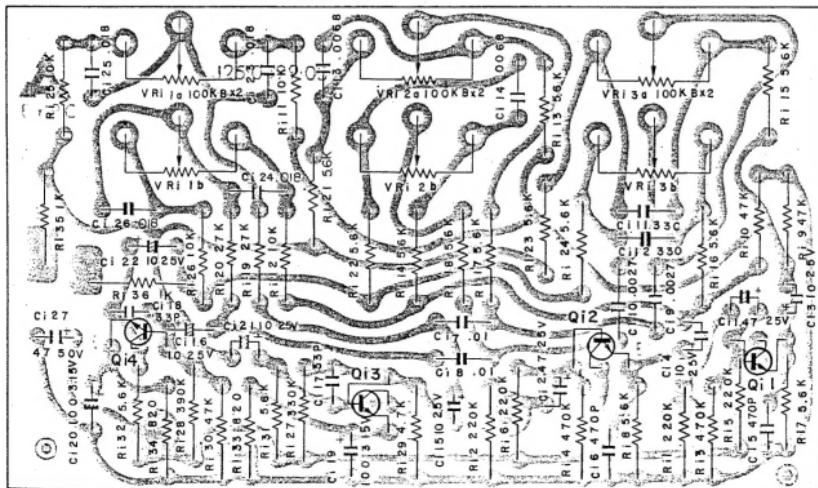
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SC871



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS

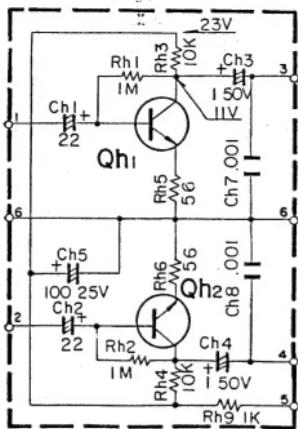


Q11 ≈ 4.25C871 (E)

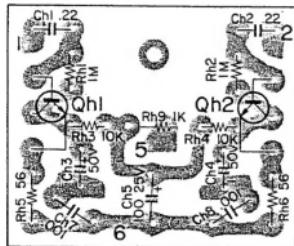
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SC458LG



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qh1, 2 2SC458LG (D)

SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

2SA607
2SC627
2SC960



2SC715



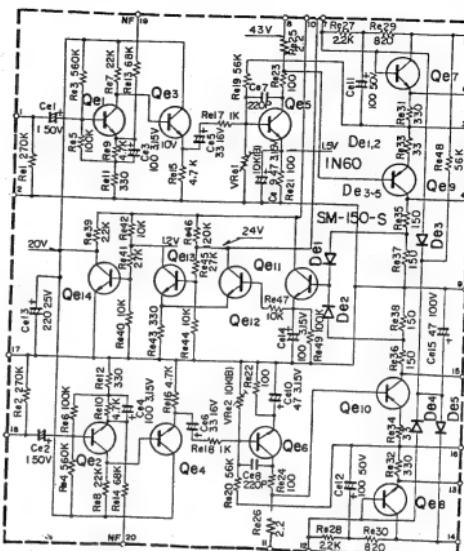
2SC45B



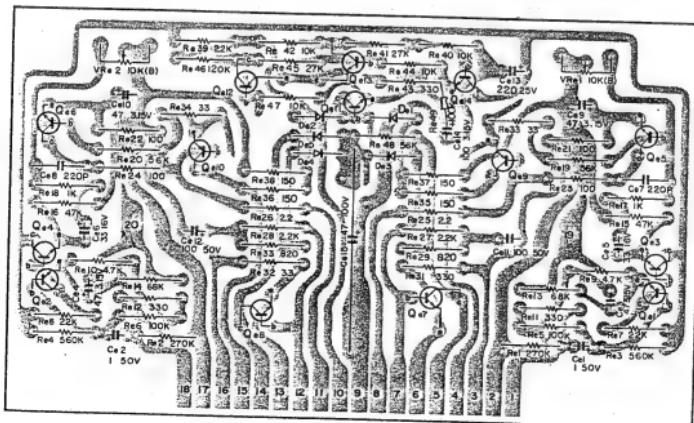
2SC373



25C984



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qe1~4 2SC458L (E) or (F) Qe5, 6 2SC627 Qe7, 8 2SC960 (I) L or M Qe9, 10 2SA607 (I) L or M
 Qe11 2SC984 (B) or (C) Qe12, 13 2SC715 (E) or (F) Qe14 2SC734 (Y) De1, 2 1N60
 De3~5 SM-150-S

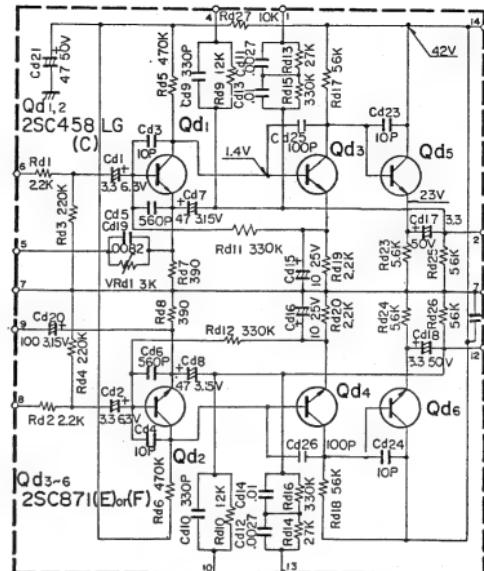
SCHEMATIC DIAGRAM

BOTTOM VIEW OF TRANSISTORS

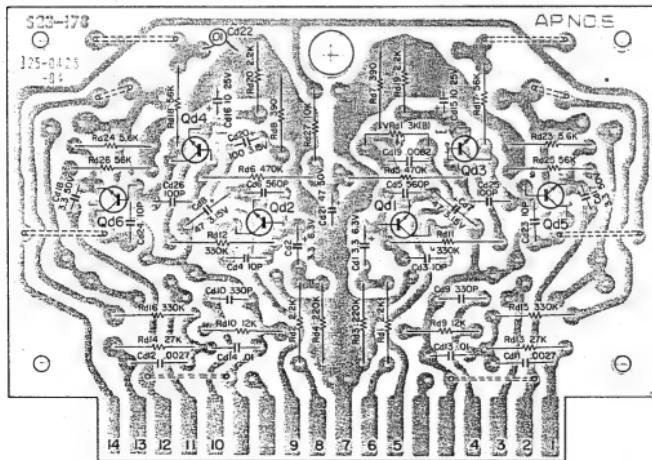
2SC458



2SC871



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



Qd1, 2 2SC458LG (C) Qd3 ~ 6 2SC871 (E) or (F)



IF(X02-0020-13) SECTION

(KR-6160) (KR-5150)

SCHEMATIC DIAGRAM -

BOTTOM VIEW OF TRANSISTORS

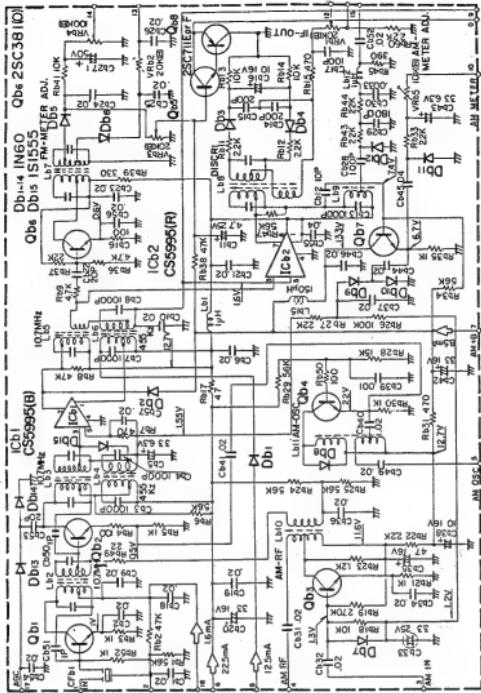
CE 2001



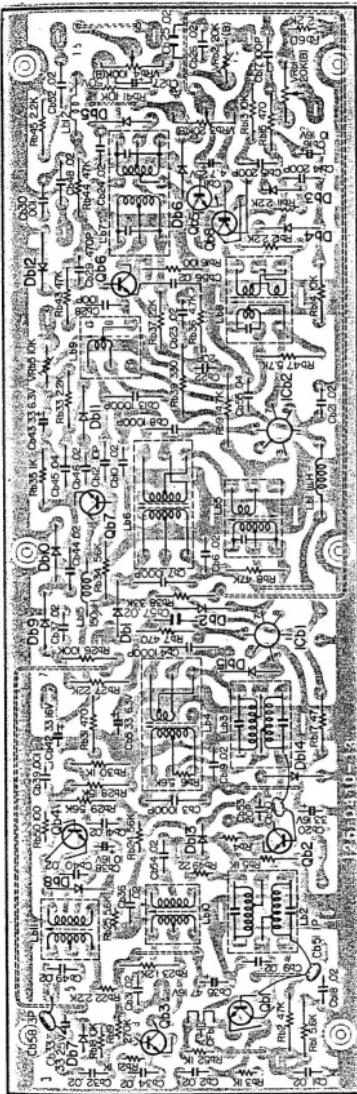
25C377 25C381

2340

CS5995
2SC711

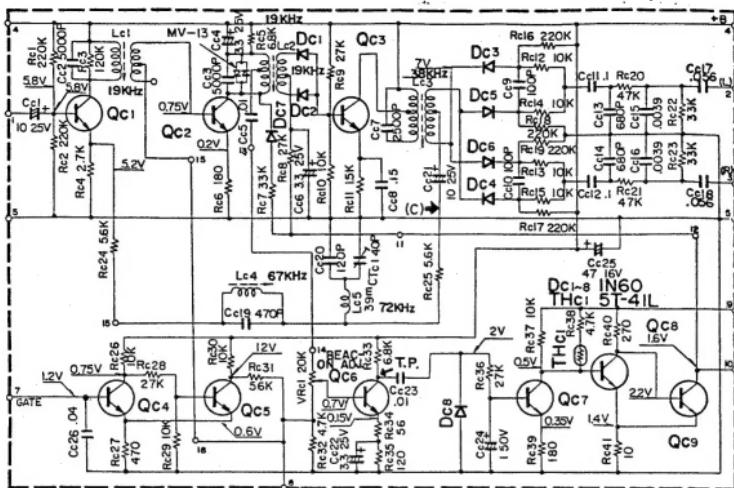


SEALED CIRCUIT ASSEMBLIES: PHANTOM VIEWS

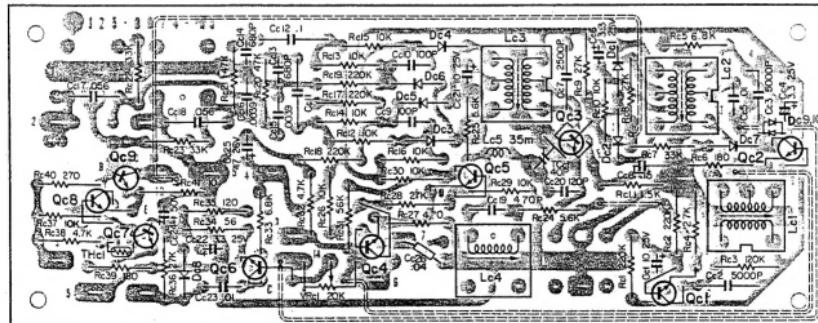


Qb1 SE-3001 (W), Qb2 SE-3001 (R), Qb3 2SC377, Qb4 2SC378, Qb5 2SA610-3, Qb6 2SC381 (O), Qb7 2SC377, Qb8 2SC711 (E) or (F), Icb1 CS695B, Icb2 CS695R, Db1 ~ 14 IN60, Db15 IS1555

SCHEMATIC DIAGRAM



SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS



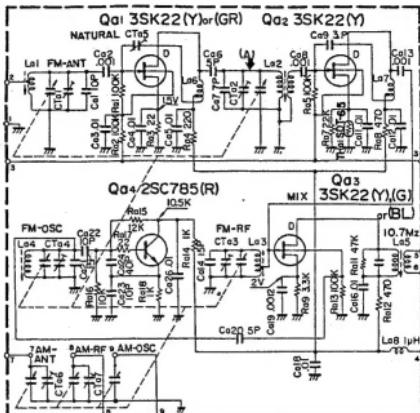
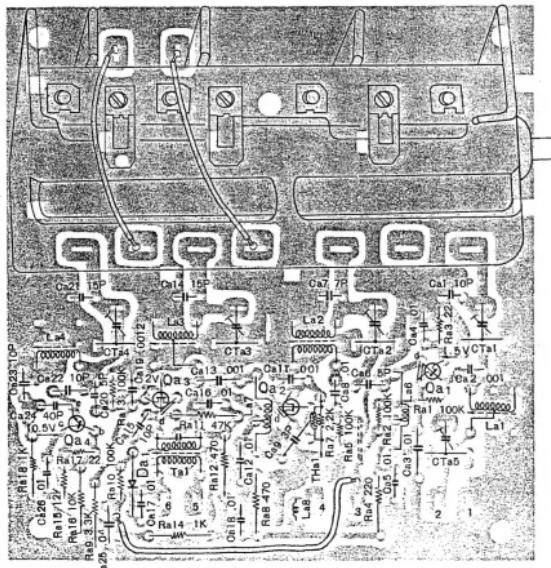
Qc1, 3 ~ 5, 7 ~ 9 2SC458 (B) or (C) Qc2, 6 2SC458 (C) Dc1 ~ 8 1N60 Dc9, 10 MV-13 THc1 5T-41L-MV-13

BOTTOM VIEW OF TRANSISTORS

2SC458



SCHEMATIC DIAGRAM
BOTTOM VIEW OF TRANSISTORS
3SK22 (Y)

2SC785

SEALED CIRCUIT ASSEMBLIES-PHANTOM VIEWS


Qa1 3SK22 (Y) or (G), Qa3 3SK22 (Y) (BL) or (G)
THa1 SDT-65 Qa2 3SK22 (Y) (B) or (G), Qa4 2SC785 Da1 1N60

● DIAL CORD STRINGING

